# Math Makes Sense 9

## Chapter 6: Linear Equations and Inequalities

**Key Words:** Either now or as you work through this chapter, define, illustrate or give an example of each word or idea**:**

**Inverse Operations:**

**Inequality:**

**First, take the Practice Test on Page 310. Score your test and give yourself a per cent.          _____ %**

## Topic: 6.1 Solving Equations by Using Inverse Operations

**Read and study pages: 266 – 271**

**Give special attention to: Examples 1, 2, 3 & 4.**

**NB:** When working through the assigned exercises and activities, you should check ALL your answers using the answer guide at the back of the book. Do **NOT** proceed to the next set of questions until you have corrected the section you are working on. I.e.: Do not wait to correct your answers till you have finished the whole page of assigned questions. Go back and **re-read** the notes and examples till you understand the concept when you are stuck or not getting something.

**Basic Assignment: CHECK Q's: #'s 5 to 7**

    **APPLY Q's: #'s 8 to 18**

    **ASSESSMENT FOCUS: Q's: #'s 19 - 22**

**Challenge Assignment: Q's: #'s 23, 24**

| **Topic 6.2: Solving Equations by Using Balance Strategies** |
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**Read and study pages: 275 – 280.**

**Give special attention to: Examples 1, 2, 3, & 4.**

**Basic Assignment: CHECK Q's: 4, 5 &6**

       **APPLY Q's:7 to 17. For #'s 10, 11 & 17, choose half in each section.**

       **ASSESSMENT FOCUS: Q's: #'s 18 or 20, 19 & 21**

**Challenge Assignment: Q's: #'s 22, 23**

| **Mid Unit Review,** page 286 |
|---|

| **Topic 6.3: Introduction to Linear Inequalities** |
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**Read and study pages: 288 - 291**

**Give special attention to: Examples 1, 2 & 3,**

**Basic Assignment: CHECK Q's: #'s 3 to 6**

       **APPLY Q's: #'s 7 - 10**

       **ASSESSMENT FOCUS: Q's: #'s 11 – 13, & 16**

**Challenge Assignment: Q's: #'s14, 15**

| **Topic 6.4: Solving Linear Inequalities Using Addition and Subtraction** |
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**Read and study pages: 294 - 297**

**Give special attention to: everything!**

**Basic Assignment: CHECK Q's:  #'s 4 - 6,**

APPLY Q's: #'s 7, 8, 9a, b, d, e, 10, 11, & 12 or 13

ASSESSMENT FOCUS: Q's: # 14

Challenge Assignment: Q's: #'s 15 or 16

**Topic 6.5: Solving Linear Inequalities Using Multiplication and Division**

Read and study pages: 300 - 304.

Give special attention to: everything! Read and re-read.

Basic Assignment: CHECK Q's: 3 to 6

APPLY Q's: 7 to 13. For multi-part questions, choose half the items.

ASSESSMENT FOCUS: Q's: #'s 15 & 16

Challenge Assignment: Q's: #'s 17 & 18

**Study Guide,** page 307

Review thoroughly

**Chapter Review,** page 308-309

Do ALL questions #'s 1 to 16 on pages 308 to309.

**Lastly, take the Practice Test on Page 310. Score your test and give yourself a per cent.           _____ %.       Did you do better than you did last time?**

Cumulative Review, pages 312, 313:  do ALL questions in preparation for an exam.